

Can I trust the "cloud"?



Microsoft: We have to earn your trust on a daily basis.

- We are serious about our commitment to protect customers in a cloud-first world.
- We live by standards and practices designed to earn your confidence.
- We collaborate with industry and governments to build trust in the cloud ecosystem.



Our cloud principles

Commitment to principles worthy of your organization's trust

Security



- Your content safeguarded with state-of-the-industry security technology and certifications.
- Your content encrypted in transit.
- Tools and features to support encryption at rest.

Privacy & Control



- You control content permissions and usage.
- You always have access to your content and can delete it or take it with you if you leave.

Compliance



 Your content is stored and managed in compliance with applicable laws, regulations, and key international standards.

Transparency



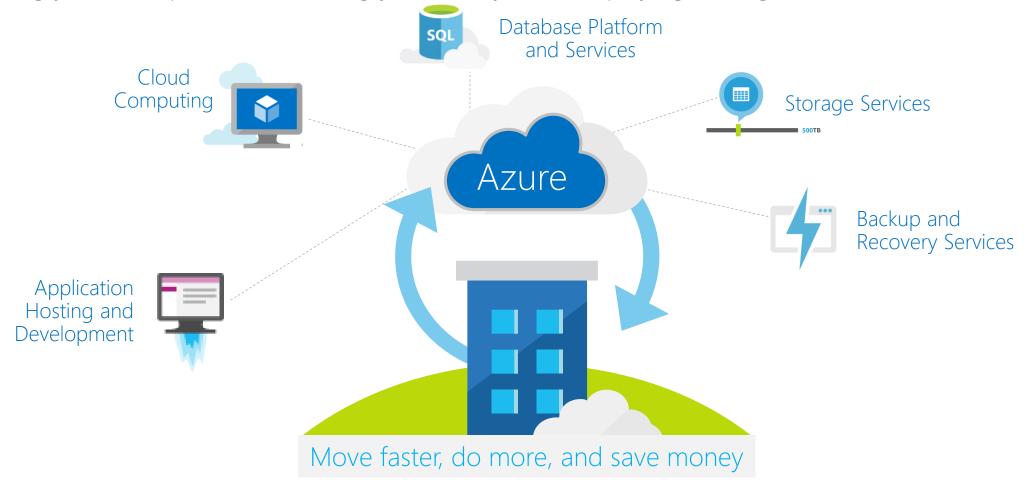
- A clear, plain-language explanation details how your cloud provider uses, manages, and protects your content.
- You are notified how your cloud provider will respond to law enforcement requests to access your content.





The comprehensive Azure experience

Azure offers a collection of infrastructure and platform services in the cloud that integrate with your IT, making you more productive, saving you money, and simplifying management.



Which are the Apps & Infra Plays

Intelligence (AI)

				o o . y o		
AA	Modern workplace	Collaboration	Security & Compliance	Powered Devices		
96Do	Business Applications	Business Central	Customer Service	Field Service	Sales	Marketing
		Talent	Operations			
	Apps & Infra	Backup/Archive & DR	НРС	Dev/Test & DevOps	SAP on Azure	Red Hat on A
		Customer Facing Applications	Internal Facing Applications	Business Analytics & Al	Datacenter Transformation	Internet of Th (IoT)
.7		Data Platform Modernization	Big Data & DW	Internet of Things (IoT)	Advanced Analytics & BI	Application Innovation
	Data & Al	Artificial				

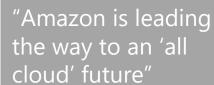
De-positioning AWS

Lower Cost

"Amazon is more innovative than

Microsoft"

Innovation





"Amazon is less expensive than Microsoft"



- Microsoft matches AWS pricing for all commodity public cloud offerings.
- Azure packs more compute capacity than AWS in the instances we offer, so Azure beats AWS on price to performance.
- Reserved EC2 instance usage above and beyond contracted usage is charged at the On-Demand rate.

 Azure releasing new services faster than AWS (most AWS updates are enhancements)

- Azure is **56% faster** in write speed than AWS¹.
- Azure's average availability response time is 25% faster than Amazon S3¹.
- Windows Azure Storage has over 4 trillion objects, processes an average of 270,000 requests/second.

 Amazon envisions a world where everything is in the cloud, claiming that private clouds are an "archaic" and "old guard" approach.

Visionary

- At the same time, AWS pitches an inaccurately defined "hybrid" platform.
- Microsoft (and analysts) envision a hybrid future, and Microsoft offers one consistent platform for infrastructure, apps and data, whether in the datacenter, a hosting service provider and/or the Microsoft public cloud.

¹Nasuni, The State of Cloud Storage 2013 Industry Report



Software Assurance enables digital transformation

Modernize applications and infrastructure to best enable your digital organization



Modernize applications

Latest innovation to create more agile, secure, and intelligent applications

New Product Version Rights



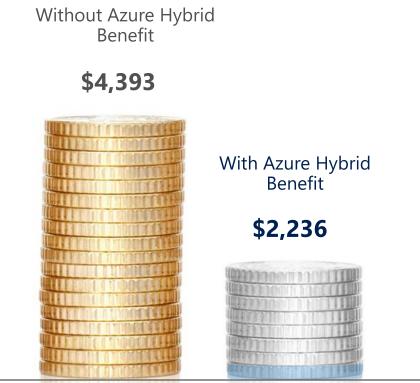


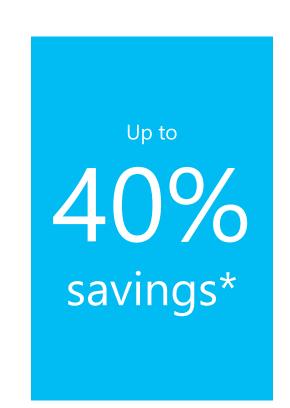
Move applications to the cloud

Up to 50% savings on the speed, scale, and innovation in the cloud

Azure Hybrid Benefit for Windows Server

Use your Windows Server licenses to migrate to Azure with big savings





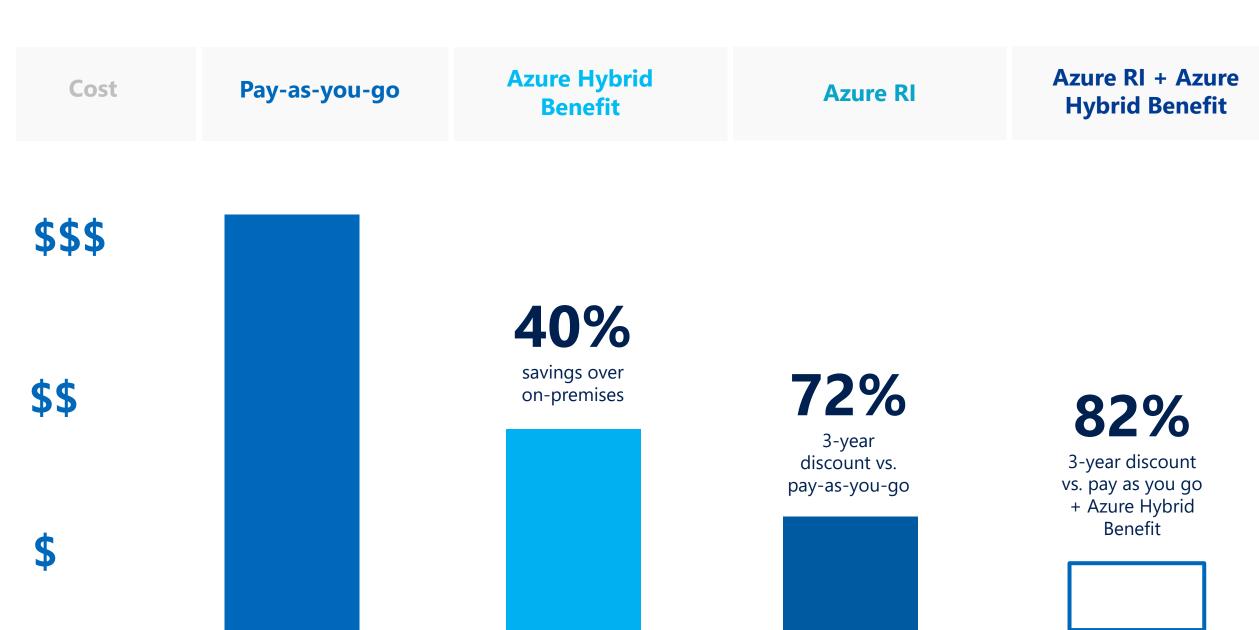


Add value to your Software Assurance investments

Note: Sample annual cost comparison of two D2V2 Windows Server VMs

*Savings based two D2V2 VMs in US East 2 Region running 744 hours/month for 12 months; Base compute rate at SUSE Linux Enterprise rate for US East 2; SA cost (Level A) for Windows Server standard edition (one 2-proc license or a set of 16 core licenses); Prices as of October, 2016; Prices subject to change.

Save even more with Reserved Instance in Azure



Standard and Datacenter licenses with Software Assurance get up to two VMs per license

License with SA

VMs & cores granted

How they can be used



Up to 2 VMs and up to 16 cores

Run virtual machines <u>both</u> on-premises and in Azure

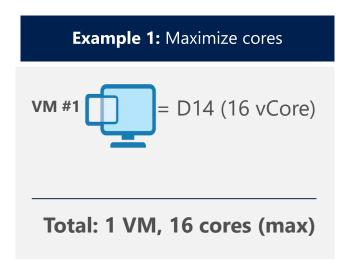


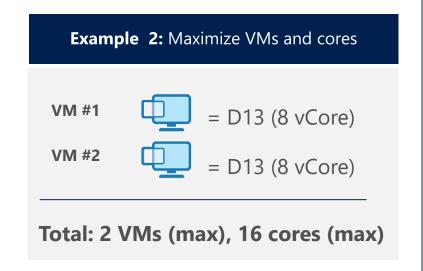
Up to 2 VMs and up to 16 cores

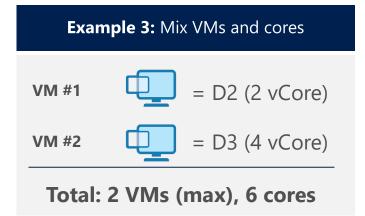
Run virtual machines <u>either</u> on-premises or in Azure

Flexibility to run configurations per your needs

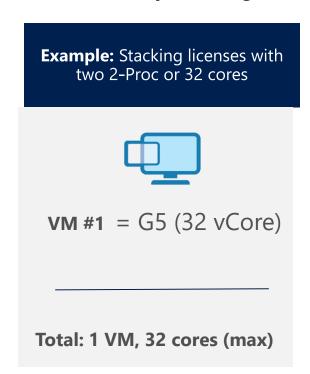
With one two-Proc or 16-core license





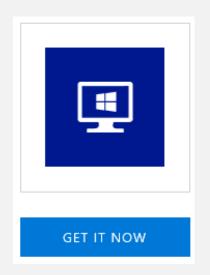


With two 2-Proc or 32 cores Run VMs>16 cores by stacking licenses



Three ways to activate benefit

Use Azure Marketplace images to deploy a new virtual machine in minutes

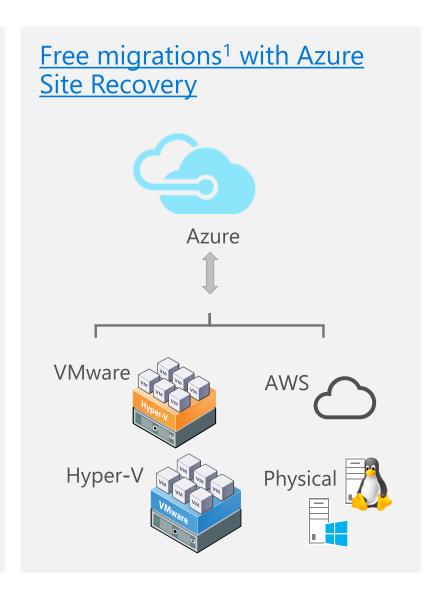


<u>Upload a custom virtual</u> <u>machine</u>

Create Windows VM on-premises

Upload to Azure and tag

Deploy via PowerShell / Resource Manager



Introducing Azure Reserved VM Instances

- → Reserve virtual machines in advance
- → Select 1- or 3-year terms with significant benefits
- → Available Now



Significant cost savings up to 82%* over pay-as-you-go models



Budget predictability and prioritized compute capacity



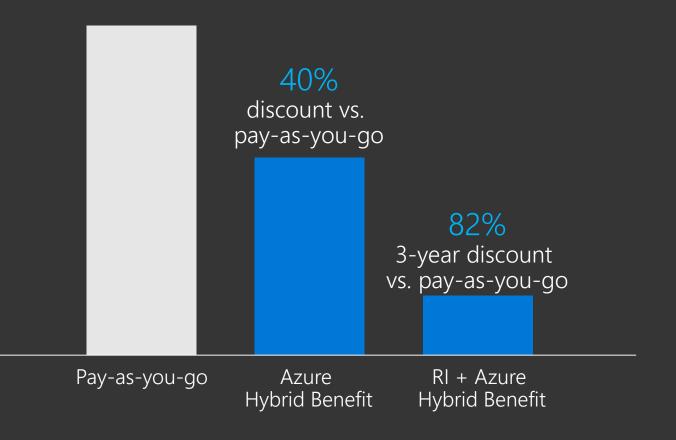
Flexibility to modify reservations and simplicity of purchase

Most cost-effective cloud for Windows Server



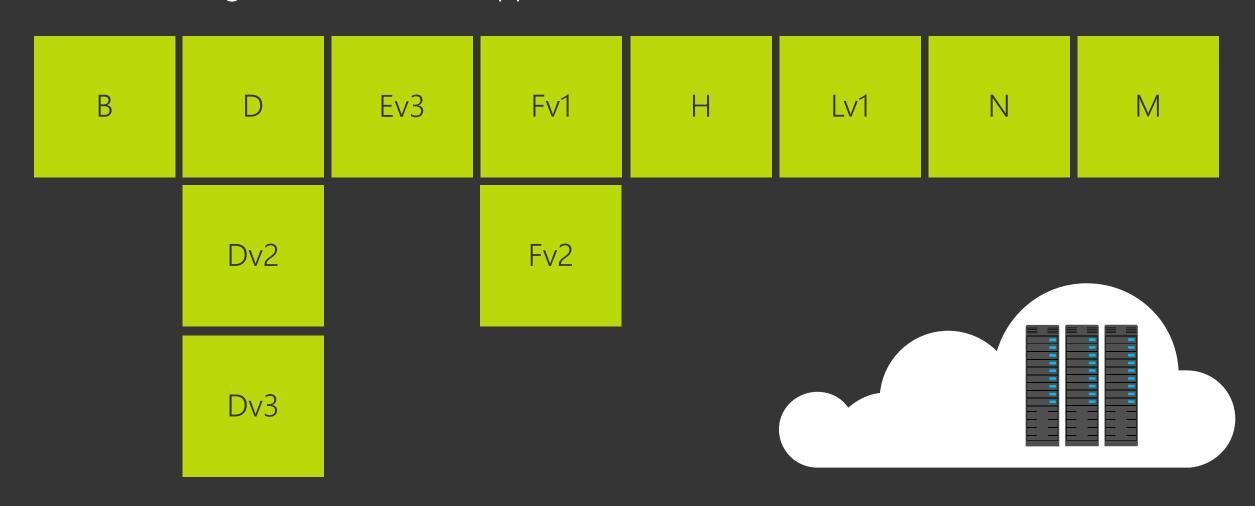
Save 40% with Azure
Hybrid Benefit for Windows
Server

Save up to 82%* with the Azure Hybrid Benefit combined with RI



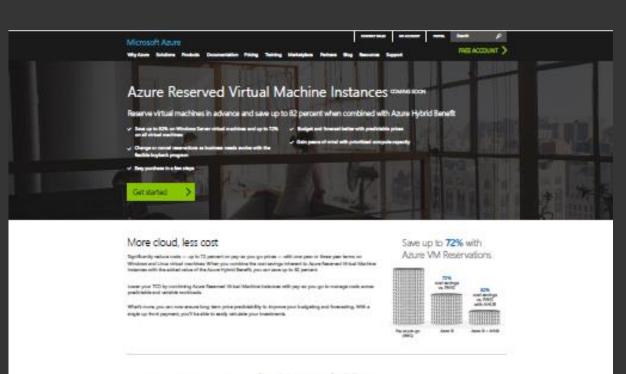
VM families supported in RI

The following VM families are supported in RI:



Learn More

- Go to the <u>Azure RI</u> web page and sign-up for updates
- Activate your <u>Azure Hybrid Benefit</u>
- Choose Azure for your <u>Windows</u> Server workloads
- Estimate your monthly bill with the pricing calculator





Simplicity meets flexibility

Dated and province Asset Reserved Write a Markow Instance to three step cape, Specify your region, stread and other series on these force or three great and face for the set for set for the implement, and describe appearing your destroy and benefit on the provided determine reportly executed the global services resource on weeklike when containing your sets of the provided and the set of the provided provided and the provided

With Assessment the build harden indicates require realing upford according to an exception requiring they are provided facilities and of the provided facilities and the provided facilities are set of facilities for the provided facilities are set of facilities for the provided facilities are set of facilities for the provided facilities and the facilities of the facilities are set of facilities for the provided facilities are set of facilities for the provided facilities are set of facilities and the provided facilities are set of facilities are set of facilities and the provided facilities are set of facilities are set of facilities and the provided facilities are set of facilities and the provided facilities are set of facilities and the provided facilities are set of facilities are set of facilities and the provided facilities are set of facilities are set of facilities and the provided facilities are set of facilities are set of facilities are set of facilities and the provided facilities are set of facili

- They have been district that is believe with the same of heli reciting selected region for excepts,
 see that the florest is the florest of an additional cost.
- Exchange Facer Reserved Virtual Machine Insignmen for another in a different region or series as your monitoral or another in a seek sharine.
- Excel your have feavor? Virtual Maritina Institute. If you no horger med the expertly you purchased. With the hapteric program, you've able to conside any lines in the reservation period for a procedul refund.

Stay informed about updates for Reserved VM Instances

Pink-same	
Lasi name	
Company vame	
Place	





Cloud migration will continue to grow



laaS is fastest growing subsegment, projected to grow 36.6% in 2017, 30.1% CAGR for next 5 years

-Gartner and IDC



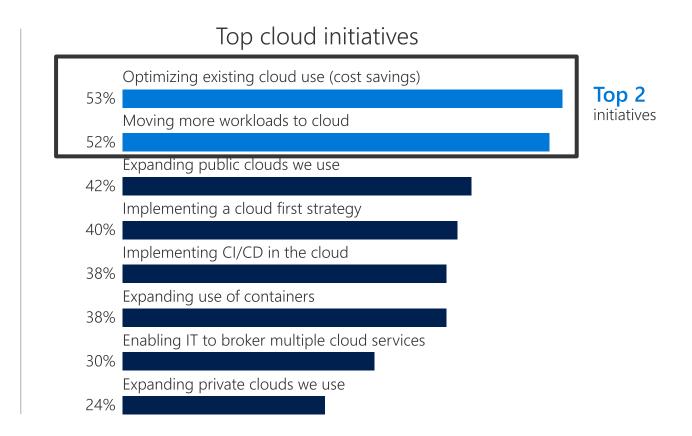
80% of CIOs will be pressured by their business leaders to evaluate migrating their datacenters to laaS

-Gartner

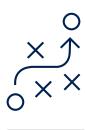


Azure PaaS reduces time required to manage apps by 80% and time to deploy a new app by 50%

–Forrester



Confidently migrate your applications, data, and infrastructure to Azure



Flexible migration options with hybrid support

Hybrid infrastructure (Windows Admin Center, Azure security and management, Azure Active Directory)

Hybrid applications and data (Azure + Azure Stack, common data platform)

On-premises server innovation



Cost-effective throughout the entire migration experience

Azure Hybrid Benefit

Free security updates for EOS servers (for 3 years after EOS timeline)

Free tools to get started

Free cost management solution



Low risk, high confidence migration

Decades of enterprise experience

Secure/Compliant EOS servers (for 3 years after EOS timeline)

Azure migration center

Rich partner ecosystem

Choice of tools for every stage and every requirement

Goal is successful Azure migration: Pick the right tool for the job







Migrate





Optimize



Secure & Manage

Azure Migrate

Data Migration Assistant (DMA)

SQL Server Migration Assistant (SSMA)

Azure Site Recovery (ASR)

Azure Database Migration Service

Azure Data Box

Azure Cost Management

Azure Advisor

cost

Azure Security & Management (e.g., Blueprints, Security Center, Backup, Monitor)

We embrace ISV solutions





























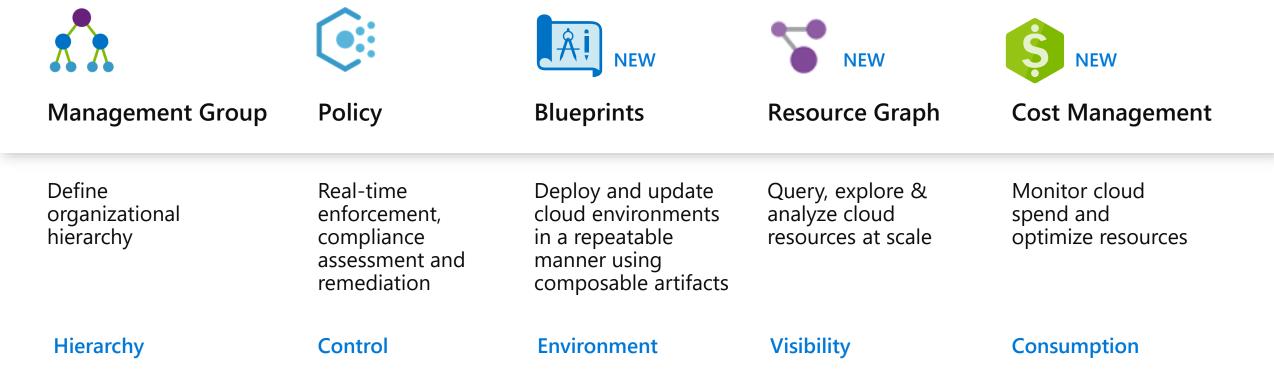






Azure Fundamentals: Governance

Governance becomes very critical as you scale Azure migration efforts



Migration approach: Best practices



People

Drive org culture change

Set up migration center of excellence (CoE)

Ensure right stakeholders are engaged

Provide learning paths & certifications

Use skilled migration partners



Planning & process

Build biz case w/ exec sponsorship

Plan migration strategies

Start small: Do a pilot

Track migration scorecard

Track and optimize cloud spends



Technology

Govern Azure environments & resources

Extend networking/identity to Azure

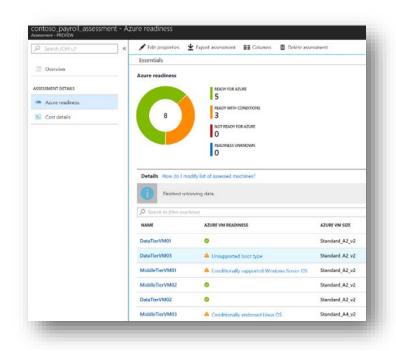
Establish robust security foundation

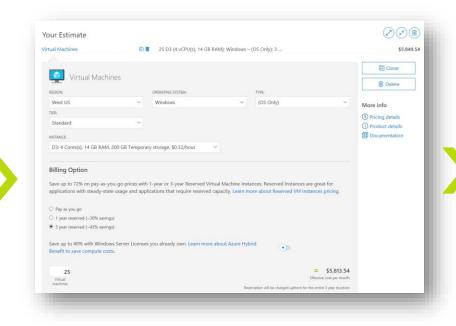
Evolve workload management approach

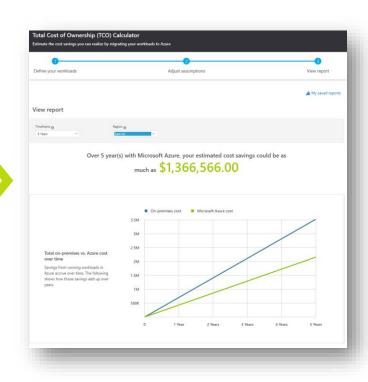
Choose migration tools best suited for the job

Best practice details on Azure migration center

Best practice example: Building a cloud business case







Gather Inventory

Azure Migrate or Partner Tools

Azure Pricing Calculator

Configure and estimate costs for Azure products

azure.com/pricing/calculator

Azure TCO Calculator

Estimate on-premises costs vs. Azure azure.com/tco

Best practice example: Use TCO reports to showcase cost savings of moving to Azure (vs. on-premises)

Save up to 78%*



Save up to 68%*



Save up to 63%*



Datacenter migration TCO vs. on-premises

VMware VMs → IaaS

Rehost application on Azure

Windows/SQL → laaS/SQL DB MI Linux/MySQL → laaS/MySQL

Rearchitect application on Azure

Windows/SQL → App Service/SQL DB MI Linux/ MySQL → App Service/MySQL

Migrate EOS servers to Azure: >\$750K TCO savings over 3 years for 100 VMs*

*Source: <u>Azure.com/tco</u>

Assess your environments with Azure Migrate

App performance history

App configuration data

Applicable discounts and offers (e.g., Azure Hybrid Benefit, RI)

Target Azure location



Azure suitability analysis (e.g., compatibility)

Rightsized Azure resource model

Azure cost estimates

App dependency map

VMware assessments | Windows and Linux assessments | Free, built in service

Selecting the right Assessment tools

Summary guidance

- Get started with Azure Migrate to drive assessments. It is free and available directly from the Azure portal.
- For specific customer needs/scenarios, check out the capabilities from Azure/ISV tools below.

FEATURES	Azure Migrate	Corent
Free		
Assessment of VMware/ Hyper-V environments ¹	✓	✓
Assessment of physical environments		✓
Agentless dependency visualization		✓
Advanced cloud economics cost modelling		✓

¹ Azure Migrate support for Hyper-V assessments are available in preview with production support

Get started at no cost: Built-in tools at each stage

Pre-migration

During migration

Post-migration

Azure Migrate

Azure Site Recovery

STELLR Portal for usage and

billing

Azure Migration Center

How-to, case study and other related content across the apps & infra Migration journey

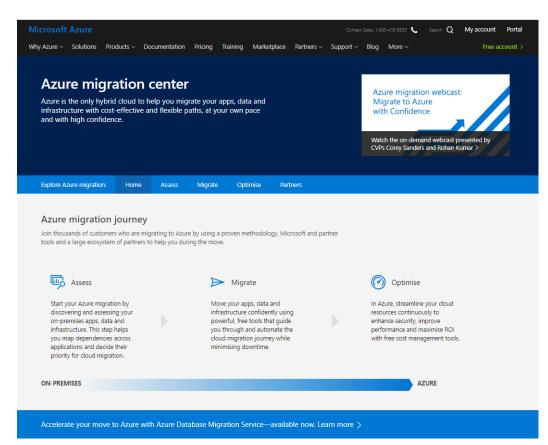
What is the Azure Migration Center

- A hub for Microsoft information regarding Azure migration
- Includes step by step guides to each stage of the migration journey, links to training, how-to, and case studies, as well as information on migration tools and ISV partners

When to use it

- The site is a reference across the entire migration practice journey, from planning initial investments to first PoCs to full customer migrations
- Watch Azure migration webinar series

- The site is a core part of the overall Azure.com site- and can be accessed directly <u>here</u>
- See Microsoft leadership discussing why now is the time to migrate to Azure <u>in this video</u> (requires registration)



TCO calculator

Estimate cost savings by migrating workloads to Azure

What does the tool do

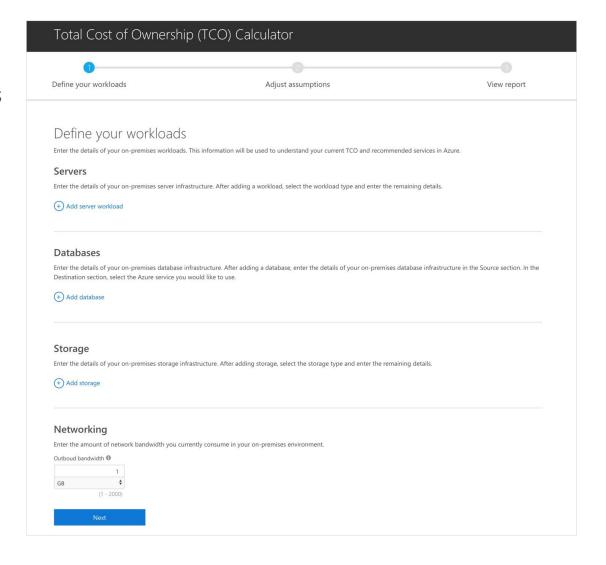
 The TCO Calculator recommends a set of equivalent services in Azure that will support customer workloads. The reporting shows each cost category with estimated on-premises versus Azure spend. There are several cost categories that either decrease or go away completely when customers move workloads to the cloud

Why to use it

- Cost savings are a strong part of the Azure value propositionthis simple tools lets partners visualize those for their customers
- This is a business development tool it is an estimator of potential saving, not a quote tool
- Follow a simple three step process allows to demonstrate Azure cost savings to customers

How to access

Link to TCO tool



Customer Experience

Real customer scenario-based guidance across "4R" migration journeys

What is it

- Azure Migration Center has structured BDM and TDM guidance for multiple migration scenarios
- Covers basic lift-and-shift all the way to rebuilding apps, as well as initial assessment and optimization

When to use it

- During customer discussion and to select tools and methods for specific customer migrations
- The Migration Center also has rich content on post-migration optimization

How to access

- Azure Migration center
- (see also the case studies, for specific customer examples)

Key Migration stages covered by Migration Center content

Assess		Mig	rate		Optimize
	Rehost	Refactor	Rearchitect	Rebuild	
 Discover- using cloud migration assessment tools, compile an inventory of the physical and virtual servers in your environment. Map servers to represent onpremises applications Evaluate how to best move each on-premises application 	When to consider Free up datacenter capacity Apps that are in "maintain mode" Pros No re-architect or new code Least effort for quick migration Cons Doesn't take full advantage of cloud Manual patching, upgrades No automated app scaling and high availability	When to consider Need a quick way to modernize Code portability is important Pros No re-architect or new code Increased density and lower deployment cost Improved productivity and DevOps agility Portability of apps and dependencies High availability with orchestrators Cons Containerization is an additional step	When to consider Monolithic, spaghetti code Pros Higher availability Greater agility Better modularity and reuse Optimized for pay-as-you-use features that save you money Cons Requires significant code refactoring	When to consider Applications that are key to future business success Pros Optimized for long-term agility Optimized for scale and high availability Optimized for pay-as-you-use features that save you money Cons Requires significant core rewrite (or new code)	 Manage costs to invest with confidence Enable Industry leading security Monitor cloud health Protect your data in the cloud

Azure Monitoring

Includes Azure Monitor and Azure Log Analytics to view, manage, and analyze Azure data

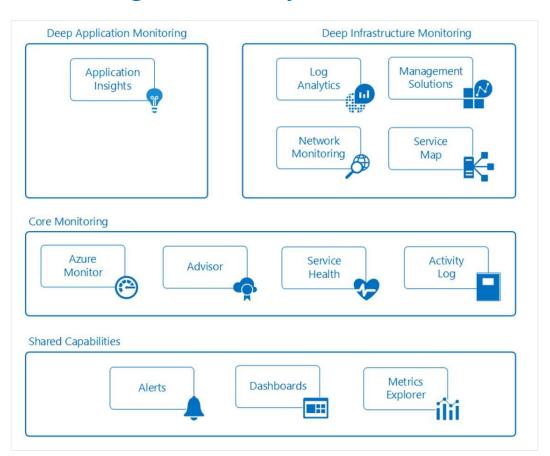
What is it

 Software solutions and visualization tools to centralize monitoring data from multiple systems in a single data store and derive insights.

When to use it

- Monitoring is tiered from shared capabilities, through to core and then deeper monitoring
- Transform Azure activity data and managed resources data across different subscriptions into actionable insights. Get deeper visibility into your hybrid IT environment including Azure and onpremises resources
- Detect, diagnose and fix issues quickly

- Scenario guidance is available here
- Azure Monitor is described <u>here</u> and Azure Log Analytics is described <u>here</u>
- Log Analytics is billed per gigabyte (GB) of data ingested into the service(details)



Azure Policy

Active control and governance at scale for your Azure resources

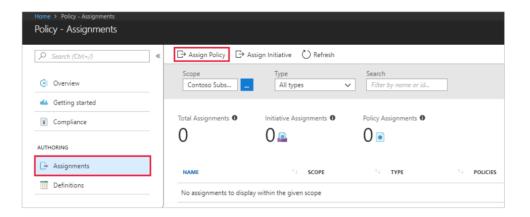
What is it

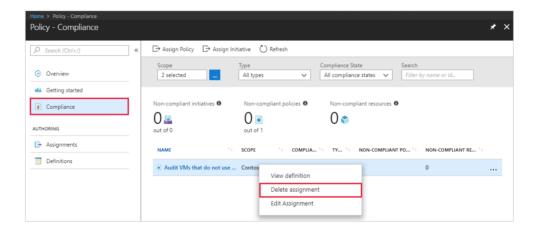
 Software solution and platform to control and govern at scale Azure resources, apply management, enforce policies and audit compliance

When to use it

- To add policies to resources easily, restrict deployment options for organization to specific datacenters, or enable the creation of specific resources types only. Establish tagging metadata to help drive accountability and compliance
- To apply policy and enforce compliance at scale easily

- Azure Policy is described here
- There are no charges for using Azure Policy (<u>details</u>)





Service Map

Automatically discover and map servers and their dependencies in real-time

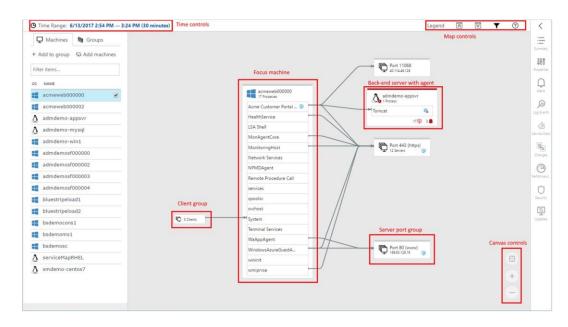
What is Service Map

- A product that automatically discovers application components on Windows and Linux systems and maps the communication between services
- Enables viewing of servers as interconnected systems that deliver critical services

When to use it

- Service Map shows connections between servers, processes, and ports across any TCP-connected architecture, with no configuration required other than the installation of an agent
- Use Service Map to effectively plan, accelerate, and validate
 Azure migrations, which helps ensure that nothing is left behind
 and surprise outages do not occur

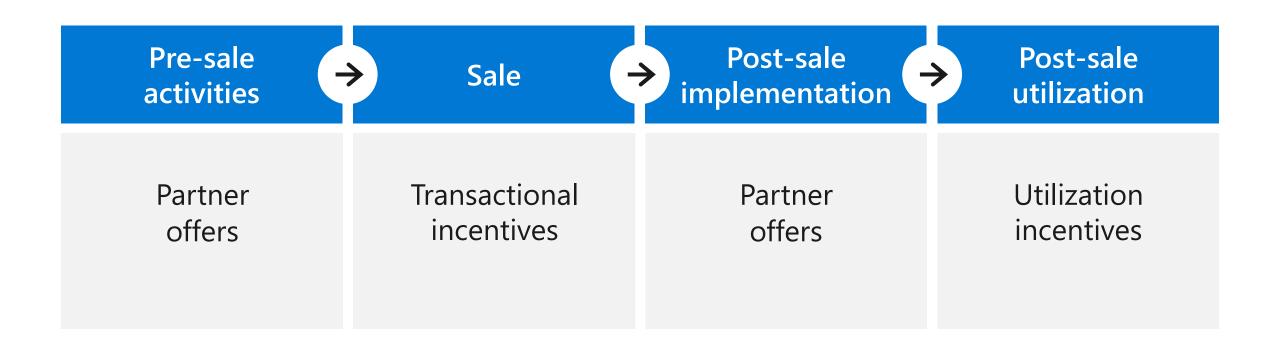
- Product page
- <u>Using Service Map</u> (including a specific section on how to use the tool in migration scenarios)







Investments aligned to partner-customer sales journey



Partner investments overview

	Pre-sale Partner offers	Sale Transactional incentives	Post-sale implementation Partner offers	Post-sale utilization Utilization incentives
Intelligent Cloud	PACE Azure Everywhere	CSP Incentives	Azure Adoption	Azure Consumption Incentives Modern Commerce Incentives
Modern Workplace	M365 Everywhere	CSP Incentives Sky's the Limit SPLA Incentive Hosting Incentive Device Incentive	Teams Adoption Modern Desktop Adoption	Online Services Usage Incentive
Business Applications	D365 Everywhere	CSP Incentives Dynamics Advisor Incentives (OSA) SPLA Incentive Hosting Incentive		Online Services Usage Incentive

Note: each program has specific partner eligibility requirements

Key Offers Incentives

FY20 PIE offers at a glance

	Description	Payout	ROI	Partner eligibility	Partner competencies and other requirements (US ECIF-approved suppliers)	Customer eligibility
PACE	Demand-gen marketing funding for 1:many events, e.g. executive roundtables, solution roadshows, hackfests, Architectural Design Sessions, developer camps, hands-on lab experiences, and hands-on training	Up to \$1,500 per event	N/A	All partners	Cloud Platform or Data Platform, Gold or Silver (+ CIE certification for hands-on training activity)	Managed and unmanaged
Azure Everywhere	Pre-sales funding for 1:1 customer engagements: assessments, proofs of concept, Architectural Design Sessions, hackathons, hands-on training, and Azure Governance	\$1.5k - \$7.5k	8:1	All partners	Cloud Platform or Data Platform, Gold or Silver	Managed and unmanaged
Azure Adoption	Post-sales funding for 1:1 customer engagements: app modernization, migrations, deployments, and Fundamentals on Azure training	\$1.5k - \$16.5k	8:1	All partners	Cloud Platform or Data Platform, Gold or Silver	Managed and unmanaged
D365 Everywhere	Pre-sales funding for 1:1 customer engagements: assessments, proofs of concept, and App-in-a-day workshops	\$2k - \$15k	15:1	All partners	Enterprise Resource Planning, Cloud Business Applications, or Cloud Customer Relationship Management, Gold or Silver (+ tier 2 in PowerApps Partner program for App-in-a-day workshop activity)	Managed only
M365 Everywhere	Pre-sales funding for 1:1 customer engagements: assessments, proofs of concept, and Cloud Immersion Experiences	\$2k - \$10k	20:1	All partners	Windows & Devices, Cloud Productivity, or Enterprise Mobility Management, Gold or Silver (+ CIE certification for CIE activity)	Managed only (excludes EDU)
Modern Desktop Adoption	Post-sales funding for 1:1 customer engagements: assessments, proofs of concept, technical deployment or migration, discovery and planning session, Organizational Change Management, and end-user adoption training	\$2k – \$15k	\$2/seat	All partners	Windows & Devices or Cloud Productivity, Gold or Silver	Managed only (excludes EDU)
Teams Adoption	Post-sales funding for 1:1 customer engagements: Teamwork Assessments, proofs of concept, technical deployment or migration, discovery and planning session, Organizational Change Management, end-user adoption training, and CIEs	\$2k – \$15k	\$3-4/seat	All partners	Communications, Windows & Devices, or Cloud Productivity, Gold or Silver (+ CIE certification for CIE activity)	Managed only (excludes EDU)

Rate

Rate

10%

CSP Indirect Reseller Incentive

1 Purpose

Reward and support CSP Indirect Resellers for driving the activation and enablement of customers with Microsoft based Online Services

3 Need to know

- Local accelerators potentially available (per country choice)
- Co-op component will be introduced in H2
- Core program and strategic product accelerator rates will adjust in Q2
- New Customer Add accelerators begin in Q2
- Azure incentives for new Commerce Platform transactions begin in Q2
- * Unique accelerators for the 3 Microsoft Clouds (Azure, Dynamics, Modern Workplace), each with defined earning opportunity launch Oct. 1.
- ** Global Strategic Product Accelerator includes M365 E3, M365 E5, M365 Business, O365 Biz Premium, the 2 E5 Mini Suites, D365 Business Central
- *** Core = Windows Server Std | Strategic = SQL Server

Incentive guide and other resources available on MPN at <u>aka.ms/partnerincentives</u>

2 Eligibility

Q1 Incentive

Active MPN membership

- Onboard to the CSP incentive tool
- Attain defined MPN competency at Gold or Silver level

4 Incentive rates

Azure Reserved Instance (RI) Incentive

Azure RI (Paid on consumed Azure RI revenue)

Core Incentive (Rebate only) – O365	6%
Core Incentive (Rebate only) – M365, D365, Azure	8%
CSP Customer Add Accelerator (continued from FY19) *	2%
Global Strategic Product Accelerator **	2%
Global PSTN Calling and Conferencing Accelerator	20%
Software in CSP – Subscription ***	Core – 1.25%, Strategic 6%
Q2 Incentive	Rate
Core Incentive (Rebate only) – O365, M365, Azure	4%
Core Incentive (Rebate only) – D365	6%
Core Incentive (Rebate only) – D365 CSP Customer Add Accelerators for 3 Clouds	6% Varies
CSP Customer Add Accelerators for 3 Clouds	Varies

Customer Acquisition Accelerators for 3 Clouds

Unique new customer add accelerators to drive results for each Microsoft Cloud

Intelligent Cloud*

Reward for Azure new customer sales and growth in CSP

Establish <u>two earning thresholds</u> with defined payout amounts:

Identify a new customer as one that purchases \$1,000 USD in a month in CSP and pay set amount (\$500 USD).

When they purchase \$5,000 USD in a fiscal month in CSP pay additional set amount (\$3,500 USD).

Business Applications*

Reward for D365 new customer sales and growth in CSP

New customer qualified as one with billed revenue of \$1,000 USD/mo. Pay 20% of the Annual Contract Value (ACV) of the first month's billing.

In addition, pay the 20% ACV accelerator on the revenue of additional seat adds for those new customers during the first 12 months.**

Cap accelerator at \$100,000 USD per customer.

Modern Workplace*

Reward for O365/M365 new customer sales and growth in CSP

Identify a new customer as one that reaches \$250 USD monthly revenue.

Incent 5% of the monthly billed revenue for each month of the next 12 months that the revenue exceeds the threshold.

In addition, pay the accelerator on the revenue of additional seats added for those new customers (assuming original \$250 threshold maintained).

NOTE – Customer must be net new to Microsoft (measured at the TPID level) to qualify for these accelerators

*Launches October 1, 2019

